



# APAC Sales Meeting SmartDetect | IMD Overview

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BU-I-BD / Bender GmbH & Co KG  
Peter Neumann

- iso415R – the small one from Bender
- Key data of the iso42x-family
- Derivation of IMD variants
- Development timeline
- Roadmap „whole“ IMD-Portfolio

# iso415R



Easy access to documentation, support & more

Simple setup

### LED-bar graph

Shows the current measured value

### 18 mm width

Saves valuable space in the control cabinet

### Additional security

Monitors the connection to the earth

### Individual settings

in 1kΩ steps via Modbus or App

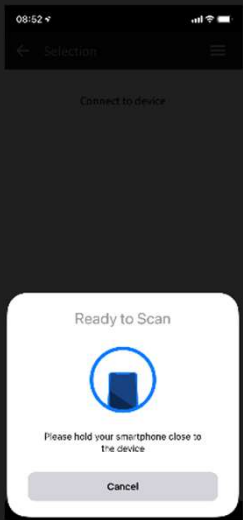
### NFC

Make settings via app

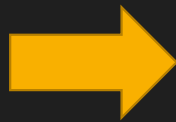
### Modbus RTU

Open interface

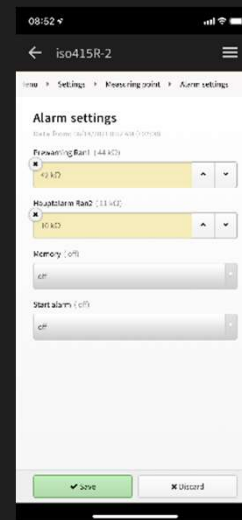
# NFC & App



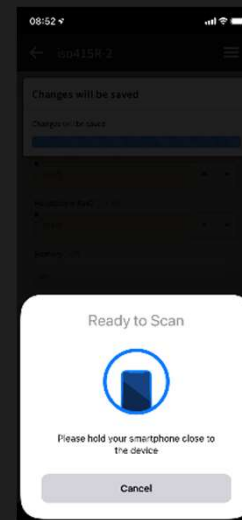
Start App & connect device



Device is connected



Make your settings



Transfer data

## Why the iso415R?

- Simple solution for control circuits
- Quality in the smallest space → only 18mm housing
- Configuration via Bender App
  - Programmable offline / ideal for plug-in technology
  - Fast duplication of settings
  - Configuration can be saved and reloaded when replacing a device
- Standard interface Modbus RTU ideal for preventive maintenance

# Derivation of IMD variants

Technical capability

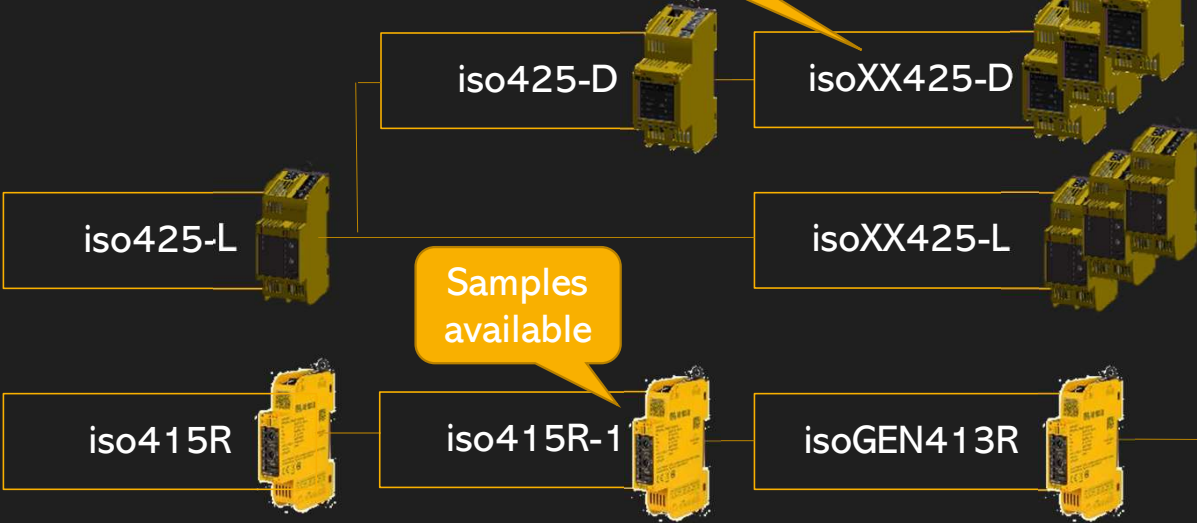
Segment specific

Niche markets

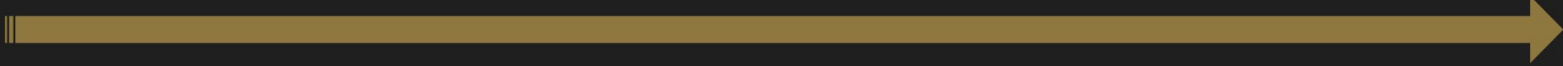
Mid

RW, UG, GEN, MED, ES, ...

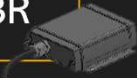
Samples available



Low



isoGEN513R



## The all new iso425



- Sophisticated solution for control circuits
- Quality as known from the former IR42x & isoxx - series
- With or without Display available
- Configuration via Bender App
- Standard interface Modbus RTU ideal for preventive maintenance

## Key Data iso425



- For applications up to 440 V AC/DC
- Leakage capacitance: Up to 100 $\mu$ F
- Frequency range: 15 – 460 Hz
- Pluggable terminals
- Function options:
  - Voltage measurement
  - Cross fault
  - Wi-Fi (FP420 needed)

Isolated Sys. 1/5  
OK  
120 k $\Omega$   
8 $\mu$ F  
R<sub>ΔN</sub> 40 k $\Omega$  / 10 k $\Omega$

Sys. Spannung 1/5  
L1 - 230V → ⊥  
L2 - 230V → ⊥  
L3 - 230V → ⊥  
N - 0V → ⊥

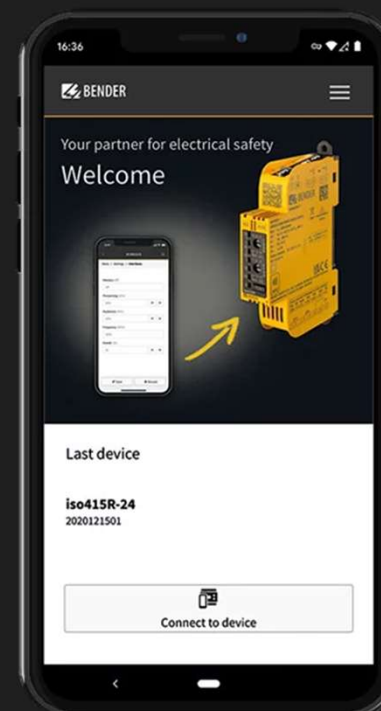
Spannung DC 1/5  
+ - 115V → ⊥  
- - 115V → ⊥  
+ - 230V → -



## Possibilities of the SmartDetect platform



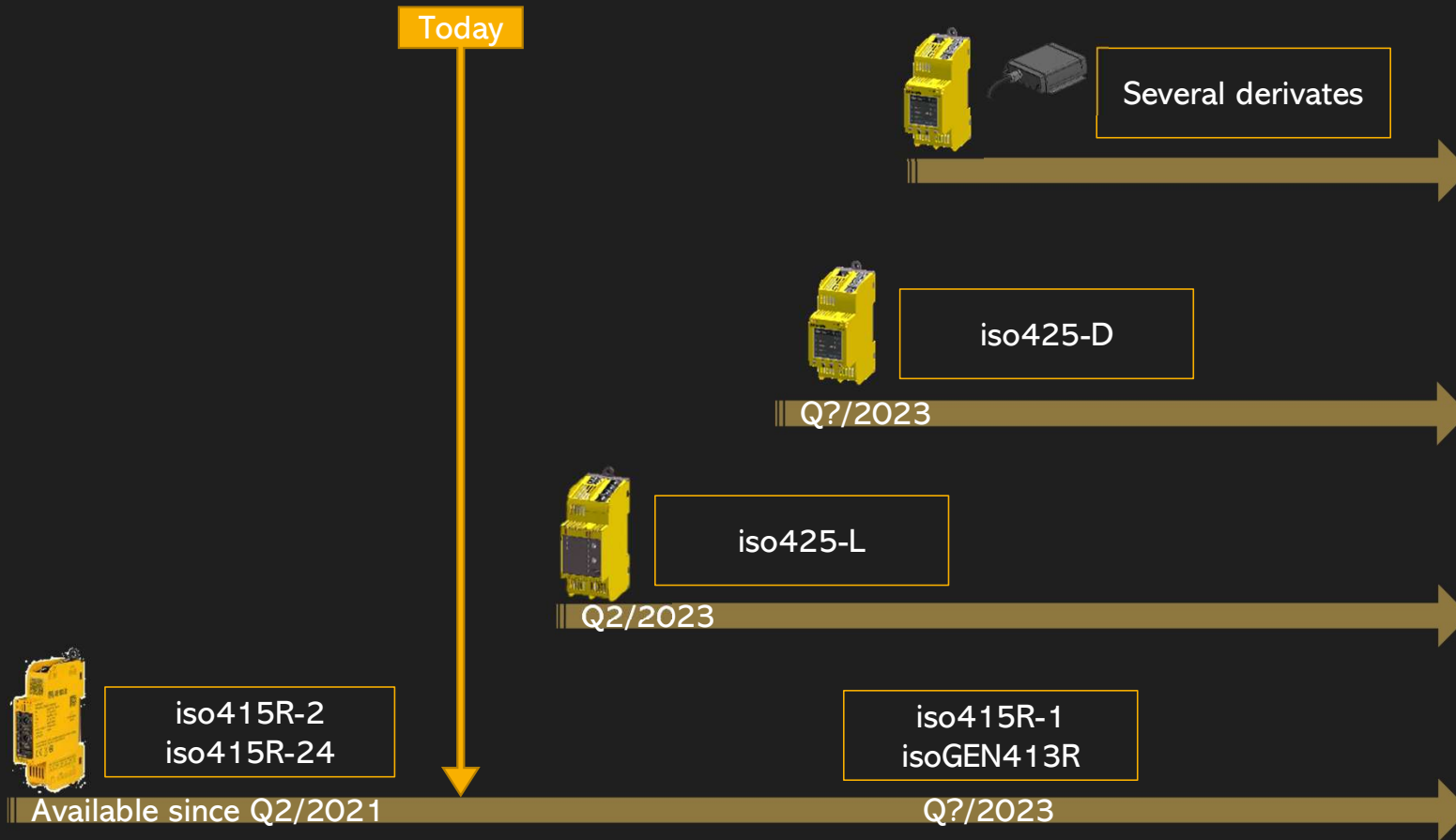
- Modbus RTU in each device!
- Parameterising with Bender connect App
- State of the art technology



- What features do you need in future in this kind of devices?
  - Additional measurement e.g. Frequency, Voltage, Shift Voltage, ...
  - Other interface (please specify)
  - Analogue output ((O)4-20mA / (O)1-10V)
  - Special certificate (please specify)
  - Offline monitoring
  - Open Text



# Timeline



# Roadmap IMD-Portfolio





Thank you for your attention!

[Peter.neumann@bender.de](mailto:Peter.neumann@bender.de)